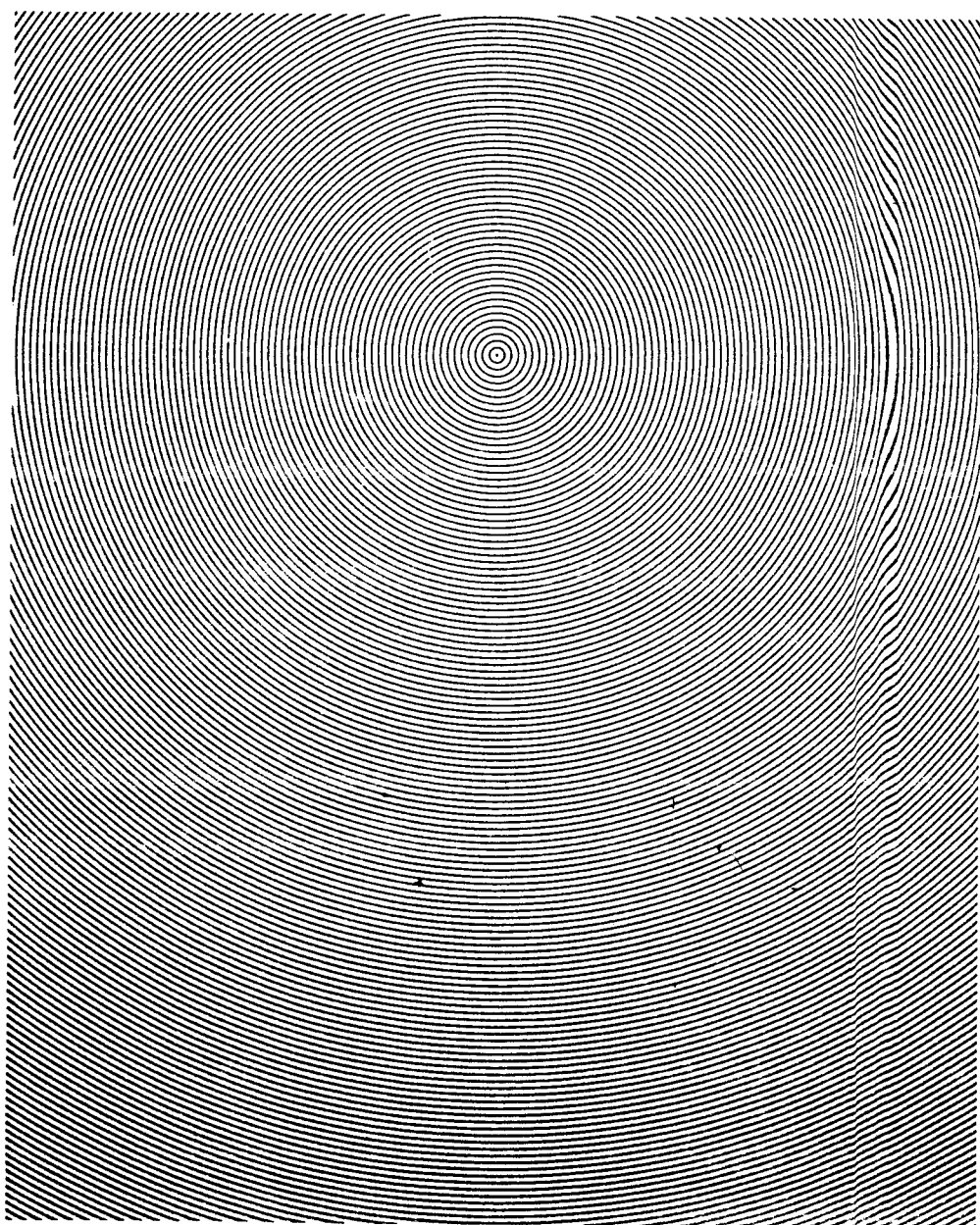


# **UHER**

**Verstärker  
VG 20/VG 30**

**Service manual**



TECHNISCHE DATEN	
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Intermodulationsverzerrung (70 Hz : 7 kHz = 4 : 1) .....	Weniger als 0,9% bei 10 W an 4 Ohm
Restrauschen .....	0,5 mV
Dämpfungsfaktor .....	20 (4 Ohm) 40 (8 Ohm)
Eingangsempfindlichkeit/ Impedanz	
Phono .....	2,5 mV/50 kOhm
AUX .....	150 mV/50 kOhm
TAPE .....	150 mV/50 kOhm
Max. Eingangspegel	
Phono .....	150 mV
Geräuschspannungs- abstand (IHF, A)	
Phono .....	80 dB
Tuner, AUX, Tape .....	92 dB
Frequenzumfang	
Phono .....	Standard RIAA-Kurve $\pm 1$ dB 40 Hz – 20 kHz
Tuner, AUX, Tape .....	20 Hz – 25 kHz, $\pm 3$ dB
Klangregelung	
Baß .....	$\pm 8$ dB bei 100 Hz
Höhen .....	$\pm 8$ dB bei 10 kHz
Gehörrichtige Laut- stärkekontur .....	+6 dB bei 100 Hz, (–30 dB) +6 dB bei 10 kHz
Lautsprecherimpedanz .....	4 Ohm

## SPECIFICATIONS

Intermodulation Distortion (70 Hz : 7 kHz = 4 : 1) .....	Less than 0.9% at 10 watts into 4 ohms
Residual Noise .....	0.5 mV
Damping Factor .....	20 (4 ohms) 40 (8 ohms)
Output Sensitivity/Impedance	
Phono .....	2.5 mV/50 k ohms
AUX .....	150 mV/50 k ohms
TAPE .....	150 mV/50 k ohms
Maximum Input Level	
Phono .....	150 mV
Signal-to-Noise Ratio (IHF, A)	
Phono .....	80 dB
Tuner, AUX, Tape .....	92 dB
Frequency Response	
Phono .....	RIAA standard curve $\pm 1$ dB 40 Hz – 20 kHz
Tuner, AUX, Tape .....	20 Hz – 25 kHz, $\pm 3$ dB
Tone Control	
Bass .....	$\pm 8$ dB at 100 Hz
Treble .....	$\pm 8$ dB at 10 kHz
Loudness Control .....	$+6$ dB at 100 Hz
(–30 dB Volume Level) .....	$+6$ dB at 10 kHz
Speaker Impedance .....	4 ohms

## ALLGEMEINES

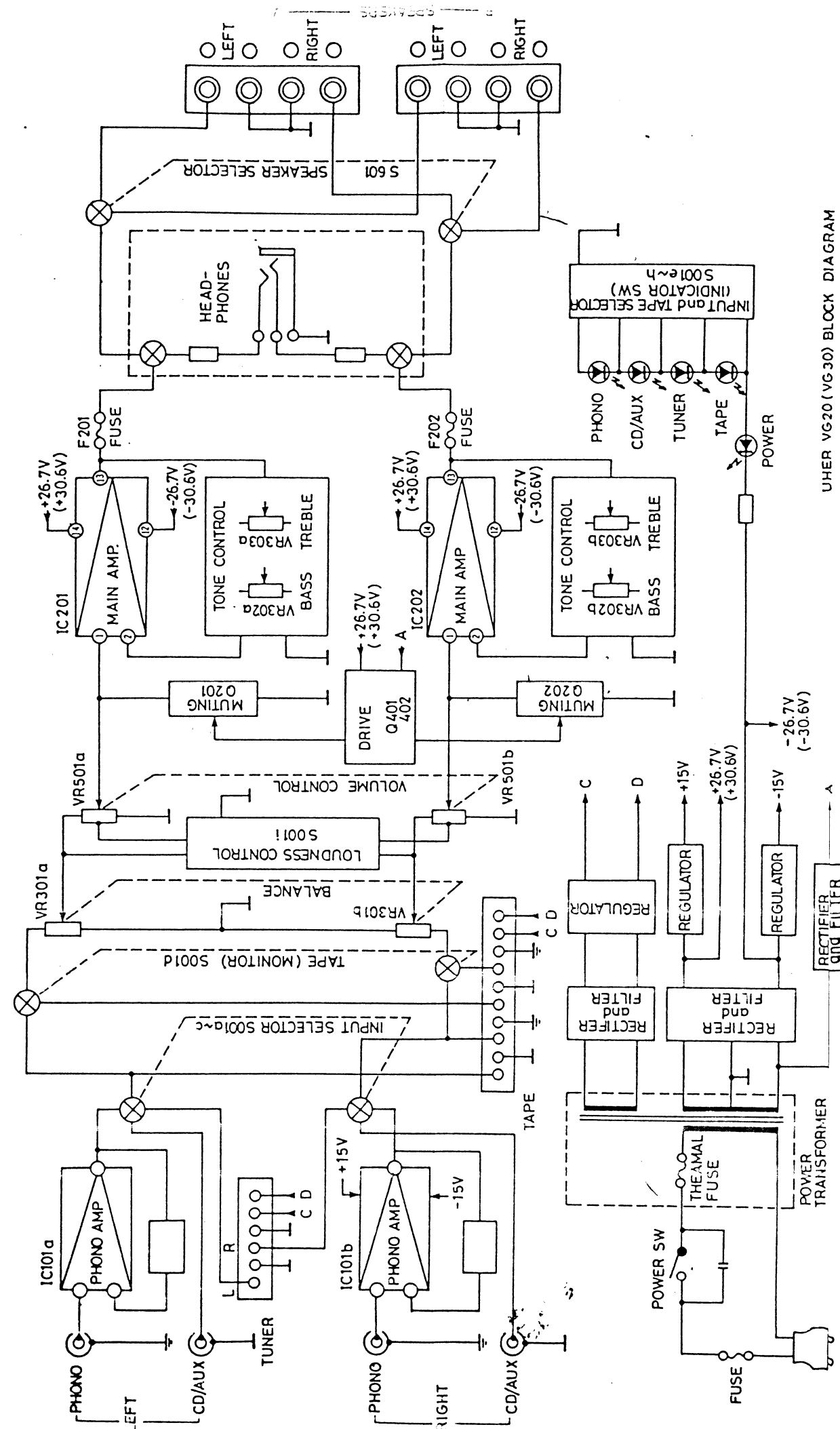
Leistungsaufnahme .....	140 Watt (VG20)
	200 Watt (VG30)
Netzspannung .....	220 V Wechselstrom, 50 Hz
Abmessungen .....	421(B) x 240(T) x 79(H) mm
Nettogewicht (Ca.) .....	3.5 Kg (VG20)
	3.6 Kg (VG30)

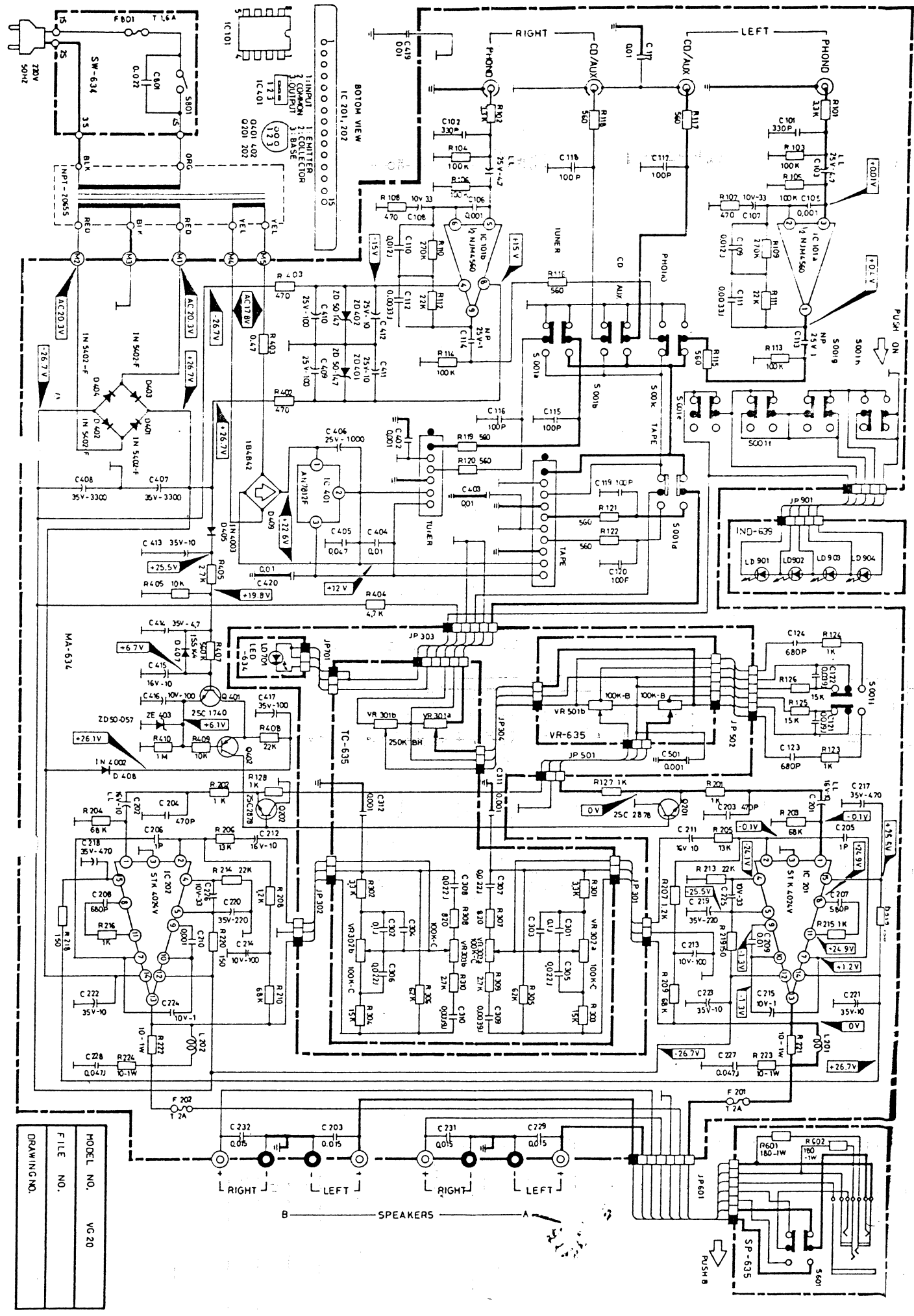
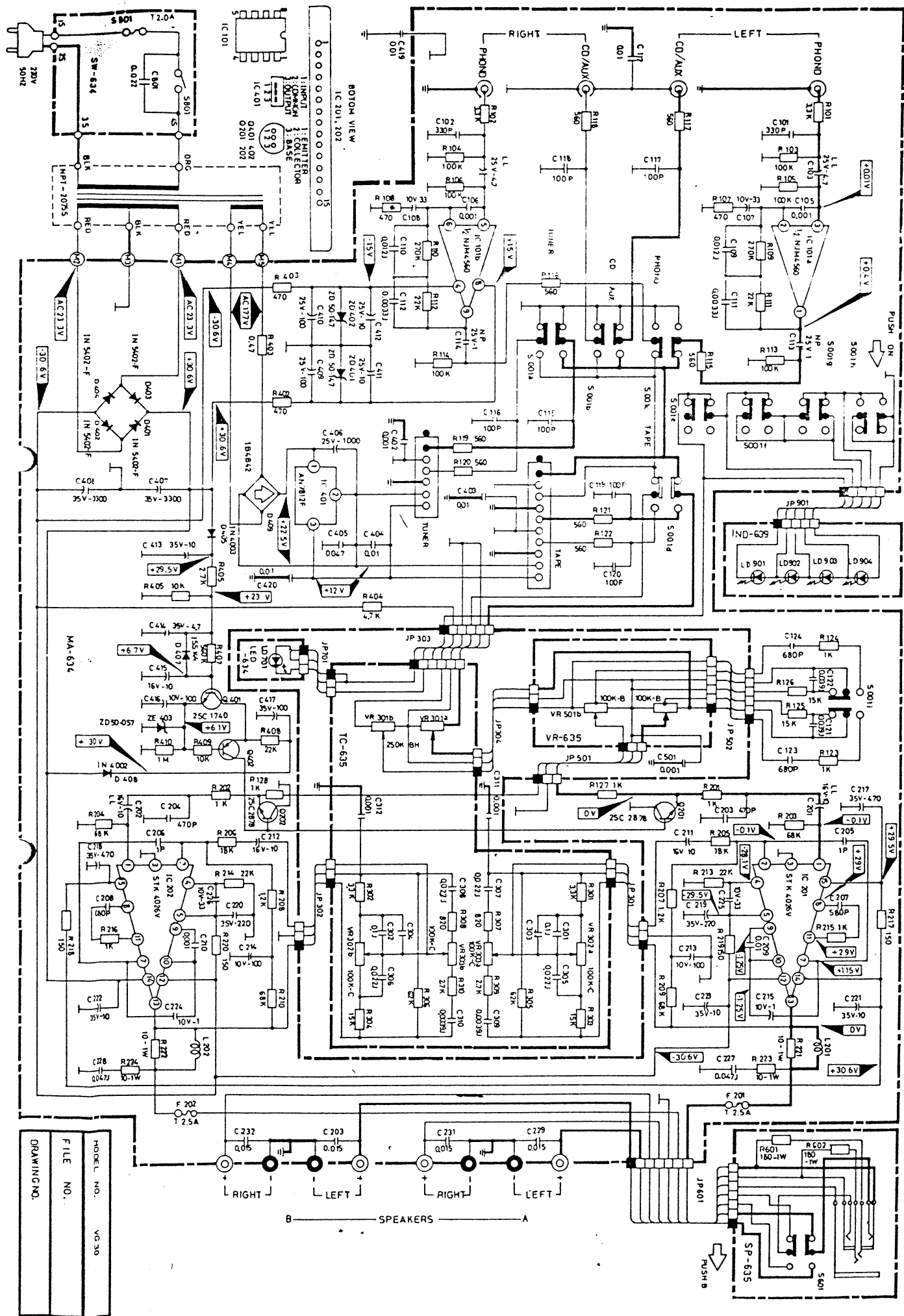
Änderungen der technischen Daten und des Designs bleiben ohne Ankündigung vorbehalten.

## GENERAL

Power Consumption .....	140 Watts (VG20)
	200 Watts (VG30)
Power Supply .....	AC 220 V 50 Hz
Dimensions .....	421(W) x 240(D) x 79(H) mm
Net weight (approx.) .....	3.5 kg (VG20)
	3.6 kg (VG30)

Specifications and design are subject to change without notice.

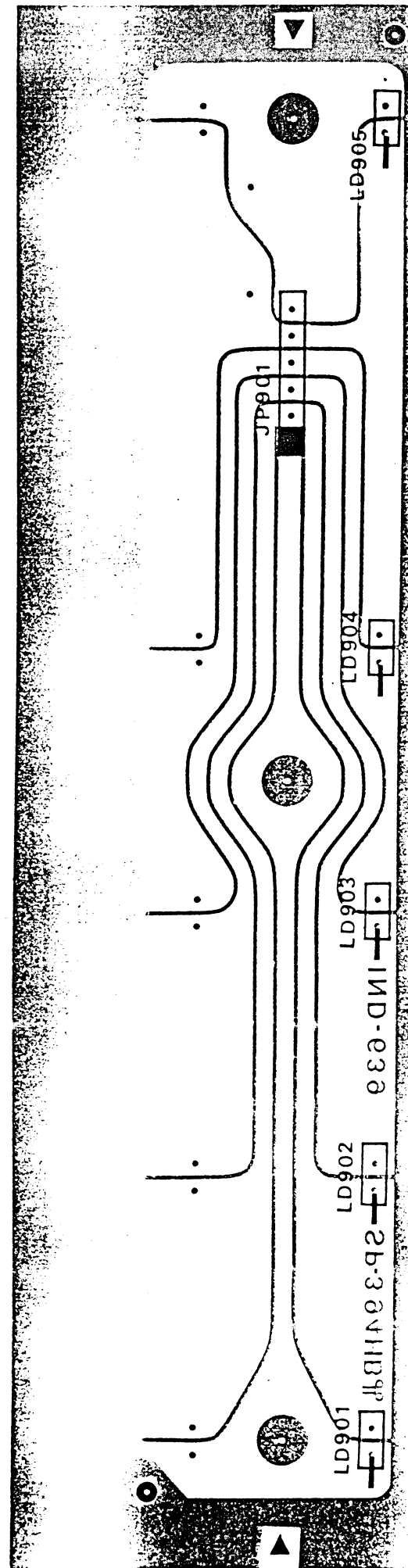




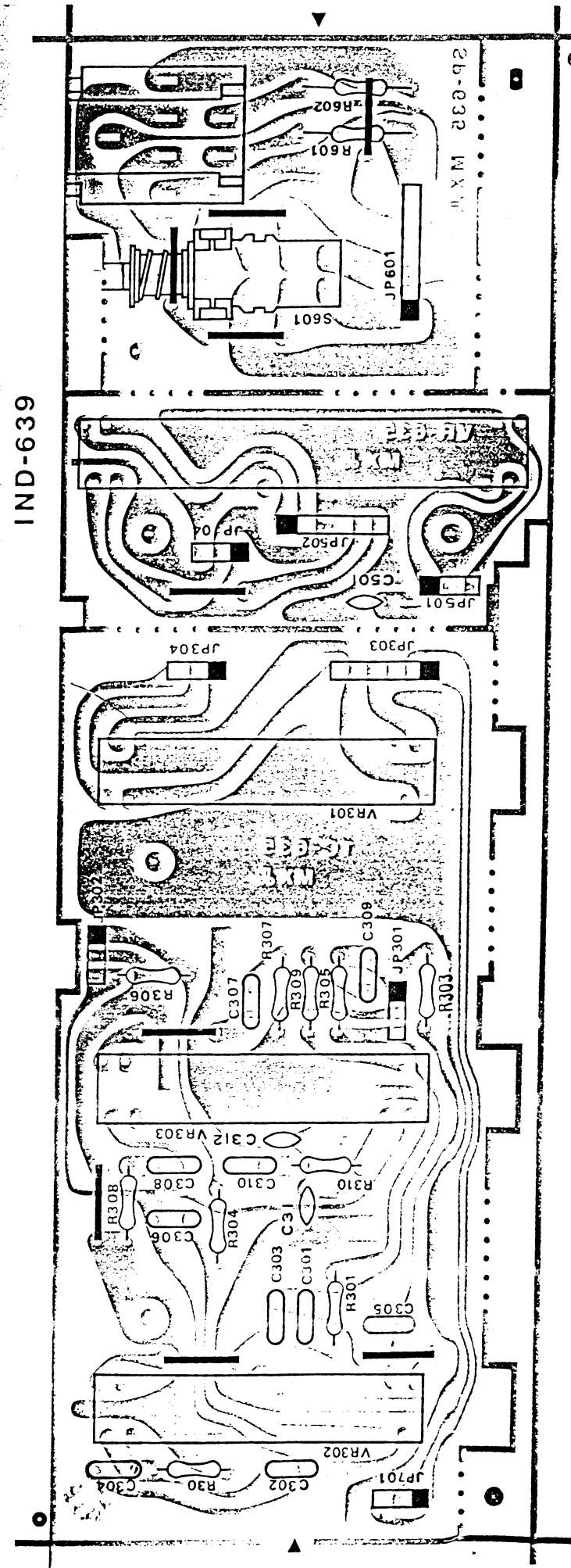
Exploded View's Parts List (VG20/VG30)

• (2): VG20  
• (3): VG30

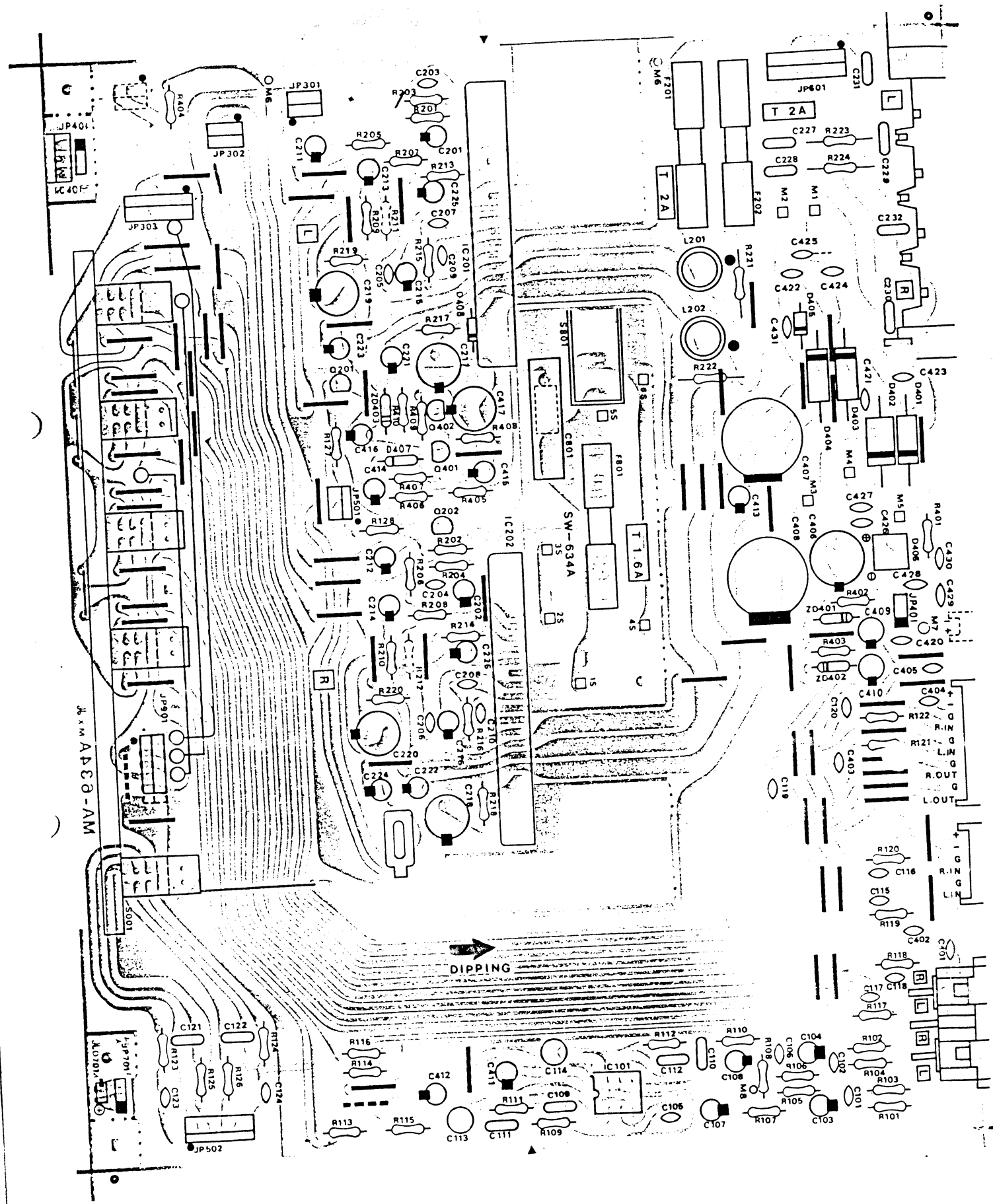
Ref. No.	Q'ty	Part No.	Description
1M 1	1	N10380-1	Front Panel
1M 3	1	N42326-S	Push Button
1M 4	1	N43866-BK	Push Button
1M 5	4	N44453 BK C	Push Button
1M 6	1	N44453 BK BU	Push Button
1M 7	3	N44454 BK-FI	Slide Knob
1M 8	1	N44455 BK-FI	Slide Knob
1M11	1	N30867-1	Display Window
1M11	1	N30867-3	Display Window
1M15	1	N21320	Cabinet
1M15	1	N21341	Cabinet
1M16	1	N21322-1A	Rear Panel
1M16	1	N21340-1	Rear Panel
1M17	1	N10381	Bottom Chassis
1M17	1	N10394	Bottom Chassis
1M20	4	N0.7102	Foot
1M25	1	N44515	Volume Cloth
1M26	1	N44530	Volume Cloth, 3
2M 1	1	N44456	Fittings R (Heat Sink)
2M 2	1	N44457	Fittings L (Heat Sink)
2M 3	1	N44458	Fittings (Switch)
2M 4	2	N42722	Fittings (P.T.)
2M 5	1	N30882	Support Chassis (P.T.)
2M 6	1	N44553	Metal Plate
2M 9	1	N44357	Knob Shaft
2M10	1	N30880-10	Heat Sink
2M11	1	N30866A-50	Heat Sink
2M12	1	N44516	Insulation Cover
2M13	4	N44243	Tape, Double Faced
2M14	1	N44522-40BK	Heat Sink
2M15	2	N44558	Spacer
2M16	3	SL 1024	Label, Serial No.
2M17	1	N41386	Label, Passed
2M18	2	N41853-252	Label, Fuse
2M19	1	N41853-202	Label, Fuse
2M20	1	OM-596A	Instruction Manual
2M21	1	N41318-1	Polyethylene Bag
2M22	1	N40487	Polyethylene Bag (Accessories)
2M24	2	N21324	Packing Pad
2M27	1	N44459	Shipping Carton
2M27	1	N44496	Shipping Carton
2M28	1	N44559	Packing Pad (Cabi)
2M29	1	N44560	Packing Pad (Bottom)
3M 1	2	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 2	2	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 3	1	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 4	1	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 5	3	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 8	3	TPM+30X08-B	Tap Screw P, Round Head, B
3M 9	1	TPM+30X10-B	Tap Screw P, Round Head, B
3M10	2	TPM+30X10-B	Tap Screw P, Round Head, B
3M16	2	TSB+30X06-N	Tap Screw S, Bind Head, N
3M17	2	TSB+30X06-N	Tap Screw S, Bind Head, N
3M18	2	TSB+30X06-N	Tap Screw S, Bind Head, N
3M19	1	TSB+30X06-N	Tap Screw S, Bind Head, N
3M20	1	TSB+30X06-N	Tap Screw S, Bind Head, N
3M23	2	TSB+30X10-N	Tap Screw S, Bind Head, N
3M26	2	TSB+30X08-B	Tap Screw S, Bind Head, B
3M27	2	TSB+30X08-B	Tap Screw S, Bind Head, B
3M28	4	TSB+30X08-B	Tap Screw S, Bind Head, B
3M29	1	TSB+30X08-B	Tap Screw S, Bind Head, B
3M30	4	TSB+30X08-B	Tap Screw S, Bind Head, B
4M 1	2	TSC+30X08-Y	Tap Screw S, Washer Faced, Y
4M 5	4	TSB+40X10-Y	Tap Screw S, Bind Head, Y
4M 8	2	TST+40X08-N	Tap Screw S, Truss, N
4M 8	4	SSB+40X40-Y	Screw, Bind Head, Y
4M10	4	ZP+STR26X16-2Y	Tap Screw, Pan Head, Y
4M13	3	TBB+30X08-B	Tap Screw B, Bind Head, B
4M14	1	TBB+30X08-Y	Tap Screw B, Bind Head, Y
4M15	2	TBB+30X08-Y	Tap Screw B, Bind Head, Y
4M16	4	TBB+30X08-Y	Tap Screw B, Bind Head, Y
4M18	4	2AWX0826-05-Y	Plain Washer, Y
4M19	1	2AWX0830-05-N	Plain Washer, N
4M22	1	2AWX1230-08-Y	Plain Washer, Y
6E 1	1	NPT-2065S	Power Transformer
6E 1	1	NPT-2075S	Power Transformer
6E 5	1	ACC-305D3-4EC1	Line Cord
6E 6	1	SR-3P4	Cord Stopper
6E 8	1	UB-0027	Binding Post
	1	38A1P01A	P.C. Board Ass'y (LED; MA; RE; SW-634A)
	1	38A1P01C	P.C. Board Ass'y (LED; MA; RE; SW-634A)
	1	38A1P02A	P.C. Board Ass'y (SP; TC; VR-635)
	1	38A1P02C	P.C. Board Ass'y (SP; TC; VR-635)
	1	38A1P03A	P.C. Board Ass'y (IND-639)
	1	38A1P03C	P.C. Board Ass'y (IND-639)



IND-639







MA-634Aシルク

